

WHAT IS CLAIMED IS:

1. A method for enabling a first terminal of a packet-based network to communicate with a second terminal accessible by a remote access server, comprising the steps of:

5 (a) registering the aliases and IP addresses of said first terminal and said remote access server in a gatekeeper connected to said packet-based network;

(b) transmitting from said first terminal to said gatekeeper a message for requesting a connection with said second terminal;

10 (c) causing said gatekeeper to request said remote access server to connect with said second terminal;

(d) causing said remote access server to request said second terminal to register the alias and the IP address of said second terminal in said gatekeeper; and,

15 (e) establishing communication between said first terminal and said second terminal via said gatekeeper.

2. The method as defined in Claim 1, wherein the step (b) of requesting said remote access server to connect with said second terminal further comprising the step of transmitting a message
20 containing the phone number of said second terminal and a predetermined response time period to said remote access server.

3. The method as defined in Claim 1, wherein the step (d) of
25 causing said remote access server to request said second terminal to register comprises the steps of:

allowing said remote access server to connect with said second terminal,

notifying said gatekeeper if said connection to said second terminal is unsuccessful;

5 notifying said gatekeeper of the IP address assigned to said second terminal if said connection to said second terminal is successful;

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allowing said second terminal register the alias and the IP address of said second terminal in said gatekeeper; and,

10 causing said gatekeeper to admit the registration of said second terminal.

4. The method as defined in Claim 3, wherein said connection to said second terminal is unsuccessful when there is no available port or when said second terminal is busy.

5. The method as defined in Claim 1, wherein said communication established between said first terminal and said second terminal further includes information associated with H.245 parameters.

20 6. A method for establishing communication between a first terminal connected to a packet-based network and a second terminal connected to a remote access server, comprising the steps of:

(a) establishing communication between said first terminal
25 and said remote access server via a gatekeeper;

(b) transmitting from said first terminal to a gatekeeper

connected to packet-based network a message for requesting a connection with said second terminal;

(c) requesting said remote access server by said gatekeeper to connect with said second terminal, said request includes an acknowledgment of the availability of resources for said communication between said remote access server and said second terminal;

(d) registering the IP address information of said second terminal in said gatekeeper; and,

(e) establishing said communication between said first terminal and said second terminal via said gatekeeper.

7. The method as defined in Claim 6, wherein the step (c) of requesting said remote access server to connect with said second terminal further comprising the step of transmitting a message containing the phone number of said second terminal and a predetermined response time period to said remote access server.

8. The method as defined in Claim 7, wherein the step (d) of registering the IP address information of said second terminal in said gatekeeper comprises the steps of:

allowing said remote access server to connect with said second terminal,


notifying said gatekeeper if said connection to said second terminal is unsuccessful;

notifying said gatekeeper of the IP address assigned to said

second terminal if said connection to said second terminal is successful;

allowing said second terminal register the alias and the IP address of said second terminal in said gatekeeper; and,

5 causing said gatekeeper to admit the registration of said second terminal.

 9. The method as defined in Claim 8, wherein said connection to said second terminal is unsuccessful when there is no available resource or when said second terminal is busy.

10. The method as defined in Claim 6, wherein said communication established between said first terminal and said second terminal further includes information associated with H.245 parameters.

15 11. The method as defined in Claim 6, wherein the step (a) of establishing said communication between said first terminal and said remote access server comprises the step of storing the IP address information of said first terminal and said remote access
20 server in said gatekeeper.